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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/500,397

DATE: 03/02/2000
TIME: 11:51:08

Input Set: I500397.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

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1  <110> APPLICANT: Soff, Gerald
2      Gately, Stephen T.
3      Twardowski, Przemyslaw
4  <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR GENERATING ANGIOSTATIN
5  <130> FILE REFERENCE: 4228-1-1-1
6  <140> CURRENT APPLICATION NUMBER: US/09/500,397
7  <141> CURRENT FILING DATE: 2000-02-08
8  <150> EARLIER APPLICATION NUMBER: 08/710,305
9  <151> EARLIER FILING DATE: 1996-09-17
10 <150> EARLIER APPLICATION NUMBER: 08/991,761
11 <151> EARLIER FILING DATE: 1997-12-15
12 <150> EARLIER APPLICATION NUMBER: PCT/US97/16539
13 <151> EARLIER FILING DATE: 1997-09-17
14 <160> NUMBER OF SEQ ID NOS: 17
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61             35             40             45
62     Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser
63             50             55             60
64     Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr
65             65             70             75             80
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67             85             90             95
68     Ser Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser
69             100            105            110
70     Pro His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu
71             115            120            125
72     Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp
73             130            135            140
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76     Glu Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly
77             165            170            175
78     Lys Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser
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81             195            200            205
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84     Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu Cys Asp Ile
85             225            230            235            240
86     Pro Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys
87             245            250            255
88     Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val
89             260            265            270
90     Ser Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His
91             275            280            285
92     Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr
93             290            295            300
94     Cys Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn

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100	Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly			
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102	Thr Ser Ser Thr Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser			
103		370	375	380
104	Met Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala			
105		385	390	395
106	Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro			
107		405	410	415
108	Trp Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu			
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110	Lys Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Pro Val			
111		435	440	445
112	Val Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe			
113		450	455	460
114	Gly Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly			
115		465	470	475
116	Thr Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg His Ser Ile			
117		485	490	495
118	Phe Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys Asn Tyr Cys			
119		500	505	510
120	Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn			
121		515	520	525
122	Pro Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys Ala Ala Pro			
123		530	535	540
124	Ser Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys Cys Pro Gly			
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126	Arg Val Val Gly Gly Cys Val Ala His Pro His Ser Trp Pro Trp Gln			
127		565	570	575
128	Val Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly Gly Thr Leu			
129		580	585	590
130	Ile Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu Glu Lys Ser			
131		595	600	605
132	Pro Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His Gln Glu Val			
133		610	615	620
134	Asn Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu			
135		625	630	635
136	Glu Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala			
137		645	650	655
138	Val Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr			
139		660	665	670
140	Val Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr			
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142	Gln Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln Leu Pro Val			
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144	Ile Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val			

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145      705      710      715      720
146      Gln Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser
147      725      730      735
148      Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys
149      740      745      750
150      Tyr Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro
151      755      760      765
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164      20      25      30
165      Val Asn Thr Gln Gly Ala Ser Leu Leu Ser Leu Ser Arg Lys Asn Leu
166      35      40      45
167      Ala Gly Arg Ser Val Glu Asp Cys Ala Ala Lys Cys Glu Glu Glu Thr
168      50      55      60
169      Asp Phe Val Cys Arg Ala Phe Gln Tyr His Ser Lys Glu Gln Gln Cys
170      65      70      75      80
171      Val Val Met Ala Glu Asn Ser Lys Asn Thr Pro Val Phe Arg Met Arg
172      85      90      95
173      Asp Val Ile Leu Tyr Glu Lys Arg Ile Tyr Leu Leu Glu Cys Lys Thr
174      100      105      110
175      Gly Asn Gly Gln Thr Tyr Arg Gly Thr Thr Ala Glu Thr Lys Ser Gly
176      115      120      125
177      Val Thr Cys Gln Lys Trp Ser Ala Thr Ser Pro His Val Pro Lys Phe
178      130      135      140
179      Ser Pro Glu Lys Phe Pro Leu Ala Gly Leu Glu Glu Asn Tyr Cys Arg
180      145      150      155      160
181      Asn Pro Asp Asn Asp Glu Asn Gly Pro Trp Cys Tyr Thr Thr Asp Pro
182      165      170      175
183      Asp Lys Arg Tyr Asp Tyr Cys Asp Ile Pro Glu Cys Glu Asp Lys Cys
184      180      185      190
185      Met His Cys Ser Gly Glu Asn Tyr Glu Gly Lys Ile Ala Lys Thr Met
186      195      200      205
187      Ser Gly Arg Asp Cys Gln Ala Trp Asp Ser Gln Ser Pro His Ala His
188      210      215      220
189      Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn Leu Lys Met Asn Tyr
190      225      230      235      240
191      Cys Arg Asn Pro Asp Gly Glu Pro Arg Pro Trp Cys Phe Thr Thr Asp
192      245      250      255
193      Pro Gln Lys Arg Trp Glu Phe Cys Asp Ile Pro Arg Cys Thr Thr Pro
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199	Arg	Trp	Ser	Glu	Gln	Thr	Pro	His	Lys	His	Asn	Arg	Thr	Pro	Glu	Asn
200			305					310				315				320
201	Phe	Pro	Cys	Lys	Asn	Leu	Glu	Glu	Asn	Tyr	Cys	Arg	Asn	Pro	Asn	Gly
202					325						330					335
203	Glu	Lys	Ala	Pro	Trp	Cys	Tyr	Thr	Thr	Asn	Ser	Glu	Val	Arg	Trp	Glu
204					340					345						350
205	Tyr	Cys	Thr	Ile	Pro	Ser	Cys	Glu	Ser	Ser	Pro	Leu	Ser	Thr	Glu	Arg
206					355					360						365
207	Met	Asp	Val	Pro	Val	Pro	Pro	Glu	Gln	Thr	Pro	Val	Pro	Gln	Asp	Cys
208			370					375					380			
209	Tyr	His	Gly	Asn	Gly	Gln	Ser	Tyr	Arg	Gly	Thr	Ser	Ser	Thr	Thr	Ile
210			385					390				395				400
211	Thr	Gly	Arg	Lys	Cys	Gln	Ser	Trp	Ser	Ser	Met	Thr	Pro	His	Arg	His
212					405						410					415
213	Leu	Lys	Thr	Pro	Glu	Asn	Tyr	Pro	Asn	Ala	Gly	Leu	Thr	Met	Asn	Tyr
214					420					425						430
215	Cys	Arg	Asn	Pro	Asp	Ala	Asp	Lys	Ser	Pro	Trp	Cys	Tyr	Thr	Thr	Asp
216					435					440						445
217	Pro	Arg	Val	Arg	Trp	Glu	Phe	Cys	Asn	Leu	Lys	Lys	Cys	Ser	Glu	Thr
218					450					455						460
219	Pro	Glu	Gln	Val	Pro	Ala	Ala	Pro	Gln	Ala	Pro	Gly	Val	Glu	Asn	Pro
220					465					470						480
221	Pro	Glu	Ala	Asp	Cys	Met	Ile	Gly	Thr	Gly	Lys	Ser	Tyr	Arg	Gly	Lys
222					485						490					495
223	Lys	Ala	Thr	Thr	Val	Ala	Gly	Val	Pro	Cys	Gln	Glu	Trp	Ala	Ala	Gln
224					500					505						510
225	Glu	Pro	His	Gln	His	Ser	Ile	Phe	Thr	Pro	Glu	Thr	Asn	Pro	Gln	Ser
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229	Pro	Trp	Cys	Tyr	Thr	Met	Asn	Pro	Arg	Lys	Pro	Phe	Asp	Tyr	Cys	Asp
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231	Val	Pro	Gln	Cys	Glu	Ser	Ser	Phe	Asp	Cys	Gly	Lys	Pro	Lys	Val	Glu
232					565						570					575
233	Pro	Lys	Lys	Cys	Ser	Gly	Arg	Ile	Val	Gly	Gly	Cys	Val	Ser	Lys	Pro
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235	His	Ser	Trp	Pro	Trp	Gln	Val	Ser	Leu	Arg	Arg	Ser	Ser	Arg	His	Phe
236					595					600						605
237	Cys	Gly	Gly	Thr	Leu	Ile	Ser	Pro	Lys	Trp	Val	Leu	Thr	Ala	Ala	His
238					610					615						620
239	Cys	Leu	Asp	Asn	Ile	Leu	Ala	Leu	Ser	Phe	Tyr	Lys	Val	Ile	Leu	Gly
240					625					630						640
241	Ala	His	Asn	Glu	Lys	Val	Arg	Glu	Gln	Ser	Val	Gln	Glu	Ile	Pro	Val
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